



**CERTIFICATE OF MAILING**

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February 7, 2002

Date of Deposit

Richard E. Stanley, Jr., Reg. No. 45,662

Name of Applicant, Assignee or  
Registered Representative

*Richard E. Stanley, Jr.*

Signature

*Feb. 7, 2002*

Date of Signature

Our Case No.: 10745/29

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

KHOSROW LASHKARI et al.

Serial No.: 10/023,826

Filing Date: December 19, 2001

For: EFFICIENT IMPLEMENTATION OF  
JOINT OPTIMIZATION OF  
EXCITATION AND MODEL  
PARAMETERS IN MULTIPULSE  
SPEECH CODERS

Examiner: Not yet assigned

Group Art Unit No.: 2654

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and

④  
IDS w/References

made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

The references now cited are the following:

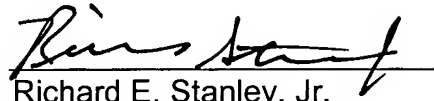
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>
Manfred R. Schroeder and Bishnu S. Atal, "Code-Excited Linear Prediction (CELP): High-Quality Speech At Very Low Bit Rates," March 26-29, 1985, pages 937 through 940.
Alan V. McCree and Thomas P. Barnwell III, "A Mixed Excitation LPC Vocoder Model for Low Bit Rate Speech Coding," July, 1995, pages 242 through 250.
B.S. Atal and Suzanne L. Hanauer, "Speech Analysis and Synthesis by Linear Prediction of the Speech Wave," April, 1971, pages 637 through 655.
Bishnu S. Atal and Joel R. Remde, "A New Model of LPC Excitation For Producing Natural-Sounding Speech At Low Bit Rates," 1982, pages 614 through 617.
G. Fant, "The Acoustics of Speech," 1959, pages 17 through 30.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

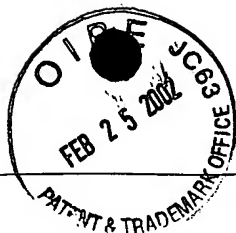
Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "R. Stanley, Jr.", is written over a horizontal line.

Richard E. Stanley, Jr.  
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Attorney for Applicant(s)

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FORM PTO-1449	SERIAL NO. 10/023,826	CASE NO. 10745/29
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>	FILING DATE December 19, 2001	GROUP ART UNIT 2654
(use several sheets if necessary)	APPLICANT(S): KHOSROW LASHKARI et al.	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A1	Manfred R. Schroeder and Bishnu S. Atal, "Code-Excited Linear Prediction (CELP): High-Quality Speech At Very Low Bit Rates," March 26-29, 1985, pages 937 through 940.
	A2	Alan V. McCree and Thomas P. Barnwell III, "A Mixed Excitation LPC Vocoder Model for Low Bit Rate Speech Coding," July, 1995, pages 242 through 250.
	A3	B.S. Atal and Suzanne L. Hanauer, "Speech Analysis and Synthesis by Linear Prediction of the Speech Wave," April, 1971, pages 637 through 655.
	A4	Bishnu S. Atal and Joel R. Remde, "A New Model of LPC Excitation For Producing Natural-Sounding Speech At Low Bit Rates," 1982, pages 614 through 617.
	A5	G. Fant, "The Acoustics of Speech," 1959, pages 17 through 30.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.